

Bobbi Lindberg
(b) (6)

05/29/2012 05:22 PM

To Elizabeth Allen
cc Alan Henning, boling.brian, jae.p.douglas, BISHOP Karen
bcc
Subject Re: Pesticide sampling results

Hi, Elizabeth,

I'm not saying either of those, I'm pointing out that the lab only recovered those percentages of a known concentration after exposure for a certain period, in this case 16 hours. The samplers in our study were in flowing water that gave them exposure to whatever was there for only the length of time it took for the water to pass through the samplers. The water passing through them an hour later, or 16 hours later, or 14 days later, was not the same water and may not have had the same quantity (or concentration) of the analytes. But even with continuous exposure to the *same* water for 16 hours, only 5.6% of the atrazine and 15% of the hexazinone were recovered from the POCIS. Whether this relates to the percentage of total mass retained by the resin or how much is adsorbed from an aqueous solution of known concentration is not something I am qualified to determine.

I hope this is helpful and addresses your question.

Bobbi

On Tue, May 29, 2012 at 1:43 PM, Elizabeth Allen <Allen.Elizabeth@epamail.epa.gov> wrote:
Thanks Bobbi,

for clarification on my part, are you saying that only between 5 and 15 percent of the total mass is retained by the resin, or that only that much is adsorbed from an aqueous solution of known concentration?

Elizabeth

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▼ Bobbi Lindberg ---05/29/2012 01:33:31 PM---Attached please find two reports of pesticide sampling results from Anatek Laboratories. The first

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Cc: Alan Henning/R10/USEPA/US@EPA, BISHOP Karen <karen.bishop@state.or.us>, boling.brian@deq.state.or.us
Date: 05/29/2012 01:33 PM
Subject: Pesticide sampling results

Attached please find two reports of pesticide sampling results from Anatek Laboratories. The first is the report from the original samples submitted to Anatek last fall. As you can see from the report, there was some damage to the samples during shipping, but the lab was able to recover much of the samples. The second report is for the two duplicate samples which were analyzed last week, and which were not damaged during shipping. The amounts found in the duplicate samples were significantly higher than those found in the originals, most likely reflecting the damage to the original samples.

Please also note that the quality assurance testing done by Anatek indicated a recovery rate of 5.6% for atrazine, 12% for desethyl atrazine (DEA) and 15% for hexazinone, suggesting that the amounts found in the POCIS represent only a portion of what was actually present in the water that passed through the POCIS.

We plan to release these results to the public in the near future.

Bobbi Lindberg, on behalf of Siuslaw Watershed Guardians

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